

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S4 | 158 | secur\$3 same download\$3 same boot\$3 same (key signature verify verification) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 15:52 |
| S33 | 4963 | 713/1,2,100.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 15:56 |
| S37 | 1 | (security same flash same boot\$3 same poll\$3).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:19 |
| S35 | 1 | (key same flash same boot\$3 same poll\$3).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:19 |
| S39 | 1 | (security same boot\$3 same serial same poll\$3).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:20 |
| S38 | 1 | (key same boot\$3 same serial same poll\$3).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:20 |
| S36 | 1 | (security same flash same boot\$3 same serial same poll\$3).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:20 |
| S34 | 1 | (key same flash same boot\$3 same serial same poll\$3).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:20 |

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| S42 | 12 | "713"/\$3.ccls. and (poll\$3 same serial).clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:26 |
| S41 | 248 | "713"/\$3.ccls. and poll\$3.clm. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:26 |
| S40 | 885 | 713/171.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:31 |
| S46 | 486 | 713/175.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:46 |
| S45 | 190 | 713/173.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:46 |
| S43 | 190 | 713/173.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:46 |
| S47 | 58 | S46 and boot\$3 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/14 16:54 |
| S48 | 87 | S33 and (key near5 (flash \$3rom)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 09:30 |
| S49 | 2 | "5802592".pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 09:46 |

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|-----|------|---------------------------------|---|----|----|------------------|
| S51 | 2 | "5805882".pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 10:10 |
| S50 | 7 | "500131".ap. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 10:49 |
| S53 | 952 | compar\$4 near5 hash near10 key | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 10:50 |
| S52 | 2259 | compar\$4 near5 hash same key | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 10:50 |
| S55 | 8 | "182378".ap. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 12:18 |
| S54 | 7 | "500131".ap. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT ; IBM_TDB | OR | ON | 2008/01/15 12:18 |

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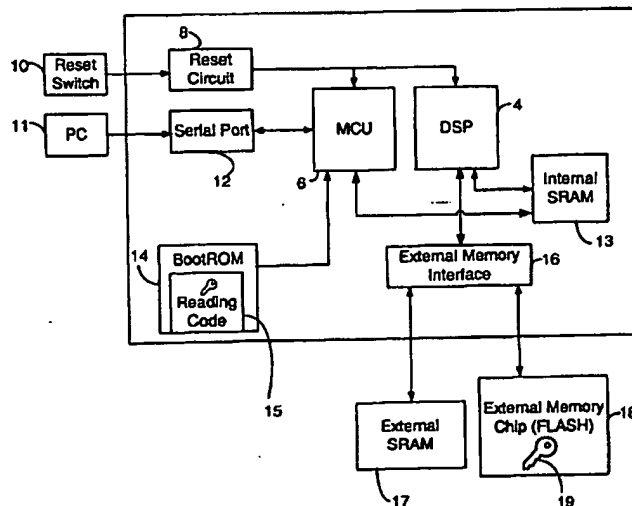
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

[Continued on next page]

(54) Title: ON-CHIP SECURITY METHOD AND APPARATUS



(57) Abstract: A boot method and apparatus are described which reduce the likelihood of a security breach in a mobile device, preferably in a situation where a reset has been initiated. A predetermined security value, or password, is stored, for example in BootROM. A value of a security location within FLASH memory is read and the two values are compared. Polling of the serial port is selectively performed, depending on the result of such comparison. In a presently preferred embodiment, if the value in the security location matches the predetermined security value, then polling of the serial port is not performed. This reduces potential security breaches caused in conventional arrangements where code may be downloaded from the serial port and executed, which allows anyone to access and upload programs and data in the FLASH memory, including confidential and proprietary information.

WO 03/060670 A2